INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 2004/000182

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: C03B 27/044
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation rearched (classification system followed by classification symbols)

IPC7: C03B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA

C.	DOCUMENTS	CONSIDERED	то	ΒE	RELI	EVAN	1T
----	-----------	------------	----	----	------	------	-----------

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5814789 A (BRIAN O.LEARY ET AL), 29 Sept 1998 (29.09.1998), column 2, line 39 - line 40; column 2, line 51 - line 54; column 3, line 24 - line 28, column 4, line 29 - line 36, figures 1,4	1-10
Y	US 6363752 B1 (GUIDO BECKER), 2 April 2002 (02.04.2002), column 3, line 8 - column 4, line 22, figure 1	1-10
		
Y	EP 0440113 A2 (WSP INGENIEURGESELLSCHAFT FÜR WÄRMETECHNIK, STRÖMUNGSTECHNIK), 7 August 1991 (07.08.1991), column 1, line 13 - line 18; column 6, line 53 - column 7, line 31, figures 1,2	1-10
		

X	Further documents are listed in the continuation of Box C.		X See patent family annex.		
• .	Special extegories of cited documents:				
۰۸″	document defining the general state of the art which is not considered to be of particular relevance	-1-	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention		
~E-	earlier application or patent but published on or after the international filing date	~X~	document of particular relevance: the claimed invention course he		
-L-	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other model.		considered novel or cannot be considered to involve an inventive step when the document is taken alone		
	special reason (as specified)	"Y"	document of particular relevance: the claimed invention cannot be		
-0-	document referring to an oral disclosure, use, exhibition or other means		considered to involve an inventive step when the document is combined with one or more other such documents, such combination		
~P~	document published prior to the international filing date but later than		being obvious to a person skilled in the art		
	the priority date claimed		document member of the same patent family		

Date of the actual completion of the international search 6 Sept 2004

Date of mailing of the international search report 0 7 -09- 2004

Name and mailing address of the ISA/

Swedish Patent Office Box 5055, S-102 42 STOCKHOLM Facsimile No. +46 8 666 02 86

Anna-Maj Magnusson/ELY Telephone No. + 46 8 782 25 00

Authorized officer

INTERNATIONAL SEARCH REPORT

International application No. PCT/FT 2004/000182

		PCT/FI 2004	/000182
C (Continu	ation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the rele	vant passages	Relevant to claim N
A	EP 0721922 A1 (TAMGLASS ENGINEERING OY), 17 July 1996 (17.07.1996), column 1, line 44 - column 2, line 9, figure 1, abstract		1-10
	~ ~		
		**	
			· •
		•	
,			*
		,	
•			
		,	
Ì	BEST AVAILABLE CO	PY	
	./210 (continuation of second sheet) (January 2004)	1	

INTERNATIONAL SEARCH REPORT

Information on patent family members

31/07/2004

International application No. PCT/FI 2004/000182

				•	•	
US	5814789	Α.	29/09/1998	NONE		
US	6363752	B1	02/04/2002	AT BR	255071 T 9806055 A	15/12/2003 25/04/2000
				CZ DE DE	9900783 A 19728787 C 69820018 D	15/09/1999 03/09/1998 00/00/0000
	•		• •	EP ES	0928284 A,B 2210781 T	14/07/1999 01/07/2004
			÷	JP PL	2001500100 T 186983 B	09/01/2001 30/04/2004
	· .			PL PT WO	331994 A 928284 T 9902458 A	16/08/1999 30/04/2004 21/01/1999
		· .		EP FR	0935093 A 2774744 A,B	11/08/1999 13/08/1999
EP	0440113	A2	07/08/1991	AT DE	128442 T 4002546 A.C	15/10/1995 01/08/1991
•	4.			DE Es	59106563 D 2078359 T	00/00/0000 16/12/1995
EP	0721922	 A1	17/07/1996	US AT	5094678 A 166042 T	10/03/1992 15/05/1998
			. :	UA UA	700657 B 4050595 A	14/01/1999 18/07/1996
	÷			CN CN DE	1088044 B 1137494 A 69502469 D,T	24/07/2002 11/12/1996 03/09/1998
				FI FI	1939 U [°] 96764 B,C	09/06/1995 15/05/1996
	· ·			FI JP US	950107 D,V 8231237 A 6427488 B	27/02/1995 10/09/1996 06/08/2002

BEST AVAILABLE COPY